

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

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## PCT

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) 06 MAY 2004 (06.05.2004)

Applicant's or agent's file reference  
P04502DP

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
**PCT/KR2004/000113**

International filing date (day/month/year)  
24 JANUARY 2004 (24.01.2004)

Priority date(day/month/year)  
24 JANUARY 2003 (24.01.2003)

International Patent Classification (IPC) or both national classification and IPC  
**IPC7 G11B 20/10**

Applicant

LG Electronics Inc. et al

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application


**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office  
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Republic of Korea

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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/KR2004/000113

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITING OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/KR2004/000113

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-18	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	1-18	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims	NONE	NO

**2. Citations and explanations :**

Reference is made to the following documents:

D1 : US 6,289,102 B1

D2 : US 6,031,815 A

**1. Novelty and Inventive Step**

Claims 1-18 meet the criteria set out in PCT Article 33(2)-(3).

D1 discloses an apparatus and method for preventing unauthorized use of information recorded on an information recorded on an information recording medium. D2 relates to an information carrier containing auxiliary information such as a decoding key, access code or digital signature.

With regard to claims 1, 7 and 12, neither D1 nor D2 teaches or fairly suggests the invention's characteristic technique idea to record a CPI(Copy Protection Information) for decrypting the encrypted main data at least once in an area other than a predetermined PIC(Permanent Information Control) area.

Therefore, novelty and an inventive step can be acknowledged for the subject matter of Claims 1, 7 and 12.

Claims 2-6, 8-11 and 13-18 also comply with PCT Article 33(2) and (3) as they are dependent claims.

**2. Industrial Applicability**

Claims 1-18 meet the criteria set out in PCT Article 33(4).

These claims are directed to a method of managing CPI for preventing unauthorized copy of encrypted content recorded on a high density recording medium such as a BD-ROM(Blu-ray Disc ROM).